



# Computational Times

Newsletter for the Wittenberg University Department of Mathematics and Computer Science

<http://www.wittenberg.edu/mathematics/>  
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## VIEW FROM THE DEPARTMENT CHAIR

This semester has been characterized by growth and turnover in the life of the department. There will be a huge crop of nearly 20 math/comp seniors who earn their degrees this year – more than anyone can remember in the last few decades! And this year's math majors include one on the new Applied Math track and three on the new Statistics track. We're excited about the new track system and the added flexibility that the system affords for students pursuing the math major.

In addition to the usual turnover in students from year to year, there's some turnover in faculty personnel as well. Nancy Saks is retiring, after nearly 30 years of dedicated service to our students, our programs, and to Witt in general. We'll certainly miss her, but are happy for her as she moves on to the next phase of her life. Our sadness in losing Nancy is mitigated by our joy in finding a great new computer scientist to take her place: Kyle Burke, who just completed his PhD from Boston University. You'll read more about Kyle in a feature story in the fall issue.

We've had a bit of turnover in departmental administration as well. After two solid three-year terms, Brian Shelburne will step down as chair and will return full-time to the classroom. I'll officially start a three-year term of my own in the fall – but because Brian has been on sabbatical leave this semester, I've started the job a semester early. We thank Brian for his long-standing service to the department.

There were a number of special events of note this past semester, the most high-profile of which was the gala tribute to late Witt math prof Will Hahn, made possible by the generous support of math major alumnus Lanty Smith. The concert by Will's granddaughter, internationally famous concert violinist Hillary Hahn, packed Kuss Auditorium downtown, and the performance was riveting. And three of our departmental majors did a great job giving our programs some exposure by presenting posters of their research during the intermission.

Now that the academic year is wrapping up, it's time to turn attention to all the cool things that our students do over the summer – internships, REU's, study, research, travel – as well as the cool things that our faculty members do over the summer as well. You'll read more about it in the fall issue, I'm sure. Until then, we're looking forward to another year of growth and development next year. Have a great summer, everyone!

Doug Andrews

## IN THE SPOTLIGHT: A CONVERSATION WITH NANCY SAKS by Marshall Zarecky

As the year ends, one of our beloved professors, Nancy Saks, retires from the Wittenberg community. Nancy, a graduate of Wittenberg herself, began working at Wittenberg in 1980. While here, she was instrumental in the creation of our computer science program, first as a minor and then as a major. She is constantly developing new courses in order to keep the Computer Science program current with the rapidly developing field. Nancy was the consummate colleague, serving as chair of the Math and Computer science department for nearly a decade and serving on many university committees. All this was done while being unquestionably dedicated to her students. This spring, Wittenberg promoted Nancy to Emerita Professor.

I had several open-ended questions for Nancy; being that I am part of a generation that expects computers to be fast, reliable, and user-friendly, I was interested in knowing her lasting experiences in the rapidly changing computer science world. To you, I present the insights of a woman with many years experience in this field. I hope that some of our younger computer science majors can appreciate the evolution computer science at Wittenberg and be inspired by Nancy's work.

Me: What was your most memorable experience at Wittenberg?

Nancy: That would have to be getting the computer science major passed in the fall of 1983. At the time, we had a dozen eager computer science majors. Personal computers were rare then; if you wanted a PC, you had to build one yourself, usually from a kit. In the area where Adam and Steve are, that used to be a terminal room. There was a campus computer login--a

### Table of Contents

View From the Chair	1
In the Spotlight	1,2
Math Students Recognized	3
Major News	4
Faculty Notes	5,6
Alumni Notes	6,7
New Majors & Minors	8

*Continues on pg 2*

## IN THE SPOTLIGHT (cont.)

simple input/output device. Now, that computer was pretty advanced for the time. Large schools were equipped with punch-card computers, and ours had a keyboard.

That was the way that things were run in the mid 80's. The most exciting moment during that time is when Al and I applied and were approved for a NSF grant to get a microcomputer lab. Nowadays, the NSF would certainly not fund a computer lab, but back then, a microcomputer lab was new and exciting. I remember how fragile the network was. In particular, not more than 45 minutes after the installation team left, someone yells from down the hallway, "Who is this Admin person? I'm going to delete it!" Luckily I was logged in as admin at the time, so no lasting damage was done. Just one computer could cause everyone's data to crash. However, just by yelling out the door and down the hallway, you could check the status of the network and see if it were down. Now we have to make calls to the Computing Center to check network status, and sometimes they don't know what's going on.

Me: What are you going to miss the most?

Nancy: Definitely the people. [long pause]

Me: Anything else?

Nancy: Well... I can tell you what I'm not going to miss. I'm not going to miss grading assignments. If you really want to go out with a bang, teach two sections of Computing in the Arts and Sciences. Those assignments take hours and hours to grade. I'm not going to miss some certain minutia in faculty meetings. If I can recall, there were some strong opinions about spraying the dandelions around the Barbara Deer Kuss Science Center.



*Friends and family relax at Nancy's retirement party. Seated from L to R are Al and Ellen Stickney, Nancy Saks, Pam Reisner and Ben Saks. Standing are Bernadette Parker, Jim Noyes, and Steve Bogaerts,*

Me: Do you have any plans or goals you've been wanting to do?

Nancy: Back in January, I had planned to do some organizing around my house, but I never got around to it. This summer, I need to find somewhere to incorporate my books. I also want to help my son add more functionality to his web design company, and help my husband develop courses for businesses to teach C++ in imbedded systems boards. I've been wanting to rescue my garden, so I'll have time to do that. I also have a list of 105 books that I want to read.

Me: What's on the list?

Nancy: All kinds of books. I have detective stories from J. A. Jance, "Count Down: Six Kids Vie for Glory at the World's Toughest Math Competition" by Steve Olson, the book about the MIT students counting cards in blackjack, books by David Sedaris, which include some very interesting titles like "Naked" and "Dress Your Family in Corduroy and Denim". I've been wanting to read all the recent books published by politicians and leaders; there's the book "Gimme Some Truth: The John Lennon FBI Files" that I want to read. There might even be a book in there named "This Can't be Tofu!"

Me: I was wondering what kind of programming languages you have used.

Nancy: I started out with FORTRAN, a math-based programming language, in calculus. Back then, the calculus curriculum was a bit different. We started with integration first because FORTRAN made Riemann sums very easy. Then we learned derivatives second. Later on, I learned COBOL for some business-oriented programming. In graduate school, I worked with Assembler and PL1, which is a combination of Cobol and Fortran. See, IBM had two PL1 compilers: one that gives really good error messages and another one that was an optimization compiler. However, the optimization compiler gave really strange errors and almost always failed. I know some old, fancy languages like LISP, a list-processing language, Snowball, a string-processing language, and Algol, which was very popular in Europe and had a very weird "pass by name" option. When I was working at UNIVAC, I worked with assembly languages. I spent my days with a sheet of paper looking at hex. It felt like detective work; maybe that's why it appealed to me so much. Then when I came to Wittenberg, we were using an early form of BASIC and PASCAL.

Me: Wow. Most students today cower at ASM. I can't imagine actually enjoying it. Well, thank you for your time, Nancy. I never realized that Wittenberg had such an interesting computer science history.

## MATH STUDENTS RECOGNIZED FOR ACADEMIC EXCELLENCE

The department of Mathematics and Computer Science is extremely proud of our many students that were recognized for their exceptional scholarship this spring.

Most departments and programs at Wittenberg give awards to recognize excellence among their students. Mathematics and Computer Science gives three such awards and each can be split among several majors. This year, the Paul Hessler Award (given for outstanding achievement in mathematics or computer science) was given to senior math major **Shannon Cooper** and senior math/economics double major **Ben Scott**. The Norman E. Dodson Award for excellence in preparation to teach was received by senior math majors **Erin Meredith** and **Kile Eichenauer**. The recipients of the Richard A. Little Mathematics Fund awards were senior math majors **Alyssa Armstrong** and **Marshall Zarecky**, senior math / biochemistry and molecular biology double major **Daniel Marous** as well as junior math major **Amanda Furness**.

Our students were also recognized by other departments. Math/econ major **Ben Scott** won the Economics Prize, awarded by the Economics department for high standards in coursework and research. Math/bmb major **Daniel Marous** won the Faculty Award for Outstanding Achievement in Biochemistry and Molecular Biology. Math minors **Jason Barkeloo** and **James Duff** won the Weaver Prize from the Physics department, awarded to junior physics majors who show the greatest potential for a career in physics.

Other math students were acknowledged by various Honor Societies at the honors convocation. First year math majors **Courtney Dollinger** and **Savannah Kiser** and math minor **Jessica Mead** were inducted into Alpha Lambda Delta. Computational science minors **Brian Hedges** and **Will Herrmann** were inducted into Phi Eta Sigma. Motor Board recognized math majors **Aaron Dugger** and **Kathleen Snead**, math minors **Sarah Piskos** and **Christa Snyder**, and computational science minors **Melissa Cederqvist** and **Louise Niu** for their exceptional scholarship, leadership and service. Chi Alpha Sigma, an athletic honor society, admitted math majors **Sarah Braden** and **Kate Snead**, and Ivy Ring, a junior women's service honorary, inducted math major **Alexandra Sitarik**. Gamma Sigma Alpha acknowledged math minors **Sarah Piskos** and **Christa Snyder**.

Phi Beta Kappa is the oldest and most prestigious of all the national honors societies. Again, math students were extremely well represented. Of the 11 juniors that were inducted, three were math majors! They were **Brandon Bock**, **Amanda Furness** and **Paul Weber**. Senior math minor **Rebecca Cooper** and math majors **Shannon Cooper**, **Daniel Marous**, and **Ben Scott** were also inducted.

Two mathematics students received Presidential Scholarships, which are named for the 12 former presidents of Wittenberg and are awarded to the 12 juniors who have the highest academic standing. Winners this year were math majors **Brandon Bock** (the Baird Tipson Scholarship) and **Paul Weber** (the G. Kenneth Andeen scholarship). Senior **Daniel Marous** was a Smith Scholar.

Junior math major **Paul Weber** also won the Alma Lux in an campus wide election. **Alyssa Armstrong** received the Heimtraut Dietrich Award, which was established in 1981 to recognize the student who best emulates devotion to Wittenberg through faith and service. Math majors **Amanda Furness**, **Alex Griffith**, and **Daniel Marous** were recognized as maintaining a perfect 4.0 GPA over the past two semesters. **Daniel Marous** was one of only two seniors that graduated with a perfect 4.0 GPA!

Five of our students received University Honors at graduation. They included majors **Alyssa Armstrong** (honors in mathematics), **Daniel Marous** (honors in mathematics), **Ben Scott** (honors in economics), and **Monica Karsai** (honors in psychology) as well as math minor **Erica Snipes** (honors in physics). Four of our majors graduated *Summa Cum Laude* (**Alyssa Armstrong**, **Shannon Cooper**, **Daniel Marous**, and **Ben Scott**). In addition, four of our majors graduated *Cum Laude*. They were **Kile Eichenauer**, **Monica Karsai**, **Troy Winner**, and **Marshall Zarecky**. Math majors, **Alyssa Armstrong**, **Danny Marous**, and **Marshall Zarecky** presented the results of their research at the spring meeting of the Ohio MAA.

In addition, two of our majors that intend to become high-school teachers, **Kile Eichenauer** and **Steve Sexton**, placed in the top 15% of test takers in the PRAXIS math section. This is a great achievement!

Congratulations to all of our majors for their hard work and dedication in mathematics and computer science. We are happy that you were recognized campus-wide for your accomplishments!

## MAJOR NEWS

## GRADUATING STUDENTS

**Alyssa Armstrong (math '09)** will be attending a math Ph.D. program at North Carolina State University. Before she begins, she'll take part in the EDGE program at Spelman College in Atlanta. The EDGE program was founded in 1998 with the goal of strengthening the ability of women students to successfully complete graduate programs in the mathematical sciences. Alyssa defended her honors thesis entitled, "The Pancake Problem: Prefix Reversals of Certain Permutations" this spring.

**Monica Karsai (math/ psych '09)** will be attending Eastern Illinois University. Her program is a MA in Clinical Psychology. She received an assistantship working in their clinical assessment lab that covers all of her tuition. This fall she completed her honors thesis in psychology entitled "Distinguishing Between Rational and Experiential Information Processing Styles"

**Whitney Hull (math '09)** will be teaching high school math in Martinsville, Virginia. She thinks she will be teaching geometry and AP stats.



From L to R: Dr. Parker, Shannon Cooper, Lauren Ramey, Troy Winner, Whitney Hull, Erin Meredith, Brett Herleikson, Amy Criel, Daniel Marous, Kyle Eichenauer, Alyssa Armstrong, Steve Sexton, Hannah Scherger

**Daniel Marous (math / bmb '09)** will be attending a Ph.D. program in Pharmacology at Johns Hopkins University in the fall. Till then, he'll be relaxing in Columbus and finding a place to live in Baltimore. Danny defended his honors thesis entitled, "A Mathematical Model of Cartilage Regeneration" this spring.

**Shannon Cooper (math '09)** will be attending the math MA program at Miami University (of Ohio).

**Marshall Zarecky (math '09)** will be starting the mathematics Ph.D. program at Michigan State in the fall. Till then, he'll be working in Enon.

**Ben Scott (math / econ '09)** defended his honors thesis in economics entitled, "Yes! We Cannabis" and hopes to publish the results this summer.

**Hanna Scherger (math '09)** had an extremely rewarding time student teaching at Catholic Central High School in Springfield. In fact, she recently signed a contract to begin full time in the fall! She will be teaching algebra 1 and AP chemistry. "I'm really excited. Everything seems to be working out perfectly."

## CURRENT STUDENTS

**Amanda Furness (math'10)** will be attending a math REU at Mt. Holyoke this summer. She'll be doing research in number theory.

**Alex Sitarik (math '11)** will attend the Pre-REU program offered at Texas A&M this summer. This program is offered through the Mentoring through Critical Transition Points (MCTP) program. She'll be studying Signal and Image Analysis while there.

**Computational Science students** are enjoying a variety of experiences this summer, including some experiences from Europe. Minors working on their computational science internship/research experiences this summer include:

**Nam Vu ('10)** is at Wittenberg University researching optimization and parallel computing with Mathematica. **Molly Dannaer ('10)** is at Queens University Belfast (Northern Ireland) working with a research group exploring techniques to help muscle development in the elderly. **Rachel Saylor ('10)** and **Melissa Cederqvist ('10)** are at Zuse Institute Berlin (Germany) working on faster mathematical algorithms for computational chemistry. **Rebecca Atkins ('10)** is at the National Cancer Institute Advanced Biomedical Computing Center in Frederick, MD working on new analysis techniques for bioinformatics. **Jason Barkeloo ('10)** is at Wittenberg University researching models for detecting subatomic physics particles and **Alex Griffith ('11)** is at Wittenberg University exploring the applications of Groebner Basis functions for solving complex equations. **Ben Hanf ('11)** is at Wittenberg University exploring phenol reactions using computational models. **Angelika Gasalina ('10)** is at Wittenberg University using computational chemistry to study proteins while **Molly Tingley ('10)** is at the Air Force Research Laboratory in Dayton, using computational models to predict chemical binding in messenger RNA. **Bryce Reall ('11)** is at Nationwide Children's Hospital in Columbus, exploring faster methods for analyzing images with emerging computer hardware. Finally, **Emily Linkous ('10)** is at Wittenberg University exploring computational approaches for insect flight modeling.

## FACULTY NOTES

**Steve Bogaerts** In January I attended the "Rebooting Computing" summit in California. The summit was a gathering of representatives from a wide range of sectors, including industry, government, national organizations, higher education, and K-12 education. It was organized to discuss and plan responses to misperceptions about the viability and range of careers possible in computer science. In particular, I participated in a focus group on fostering multidisciplinary collaboration.

In April I presented the paper "Integrating Accelerated Computing into the Undergraduate Computer Science Curriculum", at the Symposium on Challenges, Solutions, and Visions for the Future of Computer Science Education, at Franklin University. The paper, based on work I am involved in led by Eric Stahlberg, discusses our initial plans for more fully integrating distributed computing topics throughout the curriculum, rather than being isolated to a course or two.

Finally, in May I attended the 22nd International Florida Artificial Intelligence Research Society conference, participating in an invited workshop on the MLeXAI framework for the development of AI systems.

**Doug Andrews** I had a lot of fun with classes this semester – including 13 good students in the advanced Stat Modeling course. But I always have good students. The big change for me is that I've taken over as department chair for Brian while he has been on sabbatical leave this semester, and that I'll start a three-year term of my own in the fall. Serving as chair certainly makes my life a lot busier, but it's all necessary work and worth doing well. A couple weeks after graduation I'll have a consulting gig – this time with the crime lab at the Ohio State Highway Patrol, in Columbus. I'm also gearing up for the biannual U.S. Conference on Teaching Statistics in June, at which I'll be co-authoring a poster on post-introductory stat courses.

**Nancy Saks** This spring, I taught a new course: Comp 253, Principles of Software Design. We explored a number of areas that make software projects successful (or not!). The five students worked together on a semester-long project that involved creating a work-order system for the department and our student workers. I know I learned a lot (software engineering has undergone a few changes in the last 29 years), and I hope the students did too.

I also attended SIGCSE 2009 in Chattanooga, Tennessee. (SIGCSE is the Special Interest Group in Computer Science Education of the ACM.) I went to workshops on version control systems (for the software design course) and Alice 3, the latest release of the graphical programming language from Carnegie-Mellon. We use Alice in Comp 121, our introductory course for non-majors, and the new version is really exciting - it combines Sims-like characters with Java programming, so that it could also be useful in beginning courses for majors.

I'm also a member of the search committee for the new Vice President of Enrollment Management and Marketing, and of course I participated in the search for my replacement. All in all, it was a busy last semester.

**Eric Stahlberg:** The computational science program at Wittenberg is continuing to grow. This fall, thanks to a strong effort by admissions and new scholarship funding from the Ohio Board of Regents, the program will welcome an incoming class with over a dozen new computational science minors. The program also eagerly anticipates the installation over the summer of a new computing cluster system which will supplement the existing 32 processor cluster while providing exciting new research opportunities in computer science hardware and application research. Exciting times are ahead for Computational Science.

**Brian Shelburne:** During the Spring 2009 semester I was on sabbatical and Doug Andrews took over a chair of the department. I was able to have a busy and productive semester.

I audited Doug Andrews's course Math 127: Introduction to Statistics so I would be able to teach the course next fall. This meant doing all the homework and taking all the tests (which Doug then had to grade!)

I submitted two papers for publication. One was on teaching multiple architectures in a computer organization course and the other was based on a talk I gave at the Spring meeting of the MAA (see below).

I continued my investigation (research) into how in 1949 the ENIAC (Electronic Numerical Integrator and Computer) computed pi out to 2000+ decimal places. This was the first use of a computer to obtain the decimal expansion of pi. Given the rather primitive nature of the ENIAC (for example it could only store 200 digits and was programmed by *rewiring* the connections between the various computational units), trying to reverse-engineer how this was done was challenging especially since technical documentation on the ENIAC is hard to come by. Part of the work involved writing computer programs that simulated how the ENIAC worked and how the ENIAC might have been used to compute pi.

I presented a talk on titled "What if Archimedes had the Mean Value Theorem and he used it to find the area under the parabola?" at the Spring meeting of the Ohio Section of the MAA held at Bowling Green in April. At that same meeting I was elected Treasurer of the Ohio Section. Next year I'll also be chair of the Programming Committee responsible for organizing the programs for the Fall and Spring meeting of the Ohio Section. So I was also busy lining up speakers for next year.

In late April I attended a three day workshop in Colorado Springs to learn how to use a software application package for programming an *fpga* (field programmable gate array). An *fpga* is a programmable logic chip that differs from a microprocessor (e.g. computer) in that the hardware of an *fpga* can be reconfigured to perform a task whereas in the latter, the hardware is fixed. Since the *fpga* is *wired* to execute a specific task, it is faster and more efficient than a general purpose microprocessor thus allowing computationally intensive applications to execute faster. Moreover an *fpga* is malleable in that its configuration is not fixed but it can be reconfigured to perform a different task.

## FACULTY NOTES (cont.)

**Adam Parker:** Much of my time this semester was spent working with students, which I love to do. This year our Math 210 (Introduction to Proofs class) was packed with 26 students! It was a lot of fun having such a big class. I mentored two honors theses this semester, and had three students give talks at the Spring Meeting of the Ohio MAA.

This summer I'll be working with **Alex Griffith (math '11)** on a project in Computational Algebraic Geometry. I'm excited to work with him. We'll be building on a project that **Marshall Zarecky (math '09)** completed last summer that resulted in a publication and two talks.

I arrived at Wittenberg four years ago, and so my "first group" of majors graduated in May. It was a large group of thirteen students. I'm sad to see them go, but am very proud of what they've accomplished already and look forward to seeing the great things that I know are in store for them. I'd like to thank them for all their hard work and making my time here at Witt enjoyable.

**Al Stickney:** This spring marks the end of my 30th year at Wittenberg, and it was a good semester. We completed a successful search for a new faculty member in computer science, and we hosted a very successful 2009 Four College Mathematics Contest. Nine Wittenberg students took part in the contest. All of the students involved had a great time, and they solved lots of interesting problems, too.

This semester, in addition to teaching Calculus and Abstract Algebra, I once again had the opportunity to teach a topics course in Number Theory. It is one of my favorite subjects, and I enjoyed it thoroughly.

I was also elected Governor of the Ohio Section of the Mathematical Association of America this spring. Among other things, that means that I'll be traveling to both of the national meetings of the MAA for the next 3 years. If you find yourself at one of those meetings, be sure to look me up. I'll be there.

**Bill Higgins:** My year long leave in California is nearly at an end. It's nice to get away and experience academia at other institutions, but I look forward to returning to Wittenberg. During 2008-09 my wife, Aparna Higgins (who teaches math at the University of Dayton) and I shared a teaching position at California State University Channel Islands (CSUCI). In the fall I taught full time while during spring semester I was on sabbatical leave. Throughout the year, Aparna and I worked on research in graph theory with Dr. Cindy Wyels at CSUCI.

I gave two talks spring semester. In February, I presented a colloquium talk at California State University San Bernadino and in early March, I gave a presentation as part of the Graduate Seminar at CSUCI. In late March, I served as a judge for the Student Poster Session when I attended the Spring Meeting of the Southern California - Nevada Section of the MAA.

Recently I have been busy reviewing manuscripts as a member of the editorial board of the MAA Textbook Series. And this summer before heading back to Ohio I will spend a week in June grading AP Calculus Exams in Kansas City, MO.

## ALUMNI NOTES

The alum blurbs in this issue will be shorter – because we've heard from so many of you recently with great updates! Watch this space (and your e-mail) for news soon about a web-based alum resource for our department, created by one of our current students. Between now and then, contribute your news to this upcoming site by visiting

[http://www.wittenberg.edu/www2/forms/math/dept\\_alum.php](http://www.wittenberg.edu/www2/forms/math/dept_alum.php)

and filling out the info form. Thanks, and expect us to roll out the site over the summer...

**Rich Kelmer (math '78)** is now a Senior Sales Specialist, selling the IBM WebSphere brand of software to corporate customers in central Illinois. Daughter, Grace, is a freshman at Illinois Wesleyan University.

**Glenn Sullivan (math '85)** is a Radiation Safety Officer for Broad Scope Medical Center.

**B. Scott Michel (physics '87)** leads "half of a computer science research department at the Aerospace Corporation. Our current research focus is high performance, accelerated and cloud computing."

**David Reed (comp '91)** was recently promoted to Full Professor in computer science at Capital University.

**ALUMNI NOTES (cont.)**

**Sarah (Perkins) Stevenson (math '93)** got an MBA in 1997 and worked as a telecommunications manager, then got another master's degree in 2004 to become a high school math teacher.

**Lariece (Grant) Brown (math '95)** is now a Housing Economist: "I conduct housing market research to assess opportunities to serve low- to moderate-income households in the housing market. I also review models and programs for compliance with fair lending and fair housing laws."

**Kim Lane Bellomy (math '97)** got a Master's in social work from Arizona State in 2003. As a Budget Counselor, she works on money management skills with disabled veterans. Kim and Jason have two kids: Jack and Ben.

**Julie (Hochgesang) Melberg (math '97)** is an adjunct math professor at Concordia University at Irvine, and has two kids: Sophia and Henry.

**Jonathan Morgan (comp '98)** has combined his passions for journalism and computer science as Multiplatform Editor, planning and implementing software to support advanced web journalism, and helping to coordinate print and online resources.

**Randy Tobias (math '98)** is a math teacher for the Keystone Oaks School District in Pittsburgh, PA, teaching AP Calculus, Honors Precalculus, and Algebra I – and coaching baseball.

**Matt Schenz (comp '99)** serves as Lead Developer in National City's Business Process Management group – and ran a marathon in 2007.

**Aric Thomas (math '99)** is now assistant principal at Groveport Madison High School (on the southeast side of Columbus), and has two kids: Riley and Makenna.

**Sarah Kneuss (comp '00)** is currently the Deputy Director for the Tuscarawas County Board of Elections. She and husband Steve, an auctioneer/realtor, are heavily involved in their local 4-H extension program, and she runs the family's fresh lemonade concession stand at festivals and county fairs.

**Adrienne Smith (math '01)** is a math teacher at North Royalton High School, and coaches swimming and golf.

**Jason Waltman (comp '01)** is "an effects artist at PDI/DreamWorks, the Redwood City branch of DreamWorks Animation. I split my time doing effects for shots in our feature animated films and developing systems to facilitate the work our department does."

**Alex Nichols (comp '02)** is a software engineer, working for "a Government Defense Contractor on US Navy programs. I am part of a On Board Defense Training program which enables the sailors to train while at sea."

**Mike Southard (math '04)** has been manager of an Applebee's restaurant, but is ready to head into full-time teaching this fall.

**Brett Rudy (math '05)** is Systems Administrator for the Springfield City Schools Special Education Department, and as such is responsible for all technology, including new acquisitions, functionality, support and training.

**Katie Westlund (stat '05)** finished two masters degrees in 2007 and now works for the Community Philanthropy Association, for whom she administers scholarship program, arts awards programming, and works with donors to assist them in their philanthropic intents/ endeavors.

**Ramin Mesghali (comp '06)** is a Citrix Systems Analyst, "responsible for over 200 blade servers that run various applications including EPIC, the paperless Electronic Medical Records application."

**Brian Ervin (math '08)** will start the Electrical Engineering program at the University of Cincinnati in the fall.

**Considering a Donation ?**

If you would like to make a donation to the math department, you can make a donation to the "MATH DEPARTMENT GIFT FUND" at

The Wittenberg Fund  
 Wittenberg University  
 PO Box 720  
 Springfield, Ohio 45504-0720

Make sure to designate your donation to the math department. Your gifts help support undergraduate research, travel, and the general mission of the department. We appreciate all of your help.



**Welcome!**

The department would like to welcome all of our new majors and minors that have declared during the spring. We're happy to have you in the department!

**Mathematics Majors:**

Courtney Dollinger '12 — South Vienna, OH  
 Kenneth Dunworth '11 — Kettering, OH  
 Savannah Kiser '12 — Warren, PA  
 Nam Vu '11 — Ha Noi, Vietnam

**Computer Science**

**Major:**

Deanna Fink '12 — Dayton, OH

**Mathematics Minors:**

Jason Barkeloo '10 — Columbus, OH  
 Karissa Goodridge '11 — Springfield, OH  
 Hongfei (Henry) Lin '10 — Jinan, China  
 Jessica Mead '12 — Upper Arlington, OH  
 Mark Stahl '10 — Brownsboro, AL

**Computational Science**

**Minors:**

Melissa Cedarqvist '10 — Huskvarna, Sweden  
 Deanna Fink '12 — Dayton, OH  
 Brian Hedges '12 — Carroll, OH  
 William Herrmann '12 — West Chester, OH  
 Nam Vu '11 — Ha Noi Vietnam  
 Cal Wessels '11 — Shoreview, MN

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Postage

